

## **Jak Kinases and Regulation of Cytokine Signal Transduction**

### ***Abstract***

5        Provided are methods for regulating the cellular response to cytokines  
by inhibiting or enhancing of at least one Jak kinase activity which mediates  
the response; assays for identifying inhibitors of Jak kinase activity or  
cytokine-induced Jak kinase activation useful in the methods of the invention  
are also provided; antibodies raised against peptide fragments of at least one  
10        epitope specific for a Jak kinase without interfering with kinase activity;  
polypeptides for Jak kinases; and nucleic acid encoding therefor.

A277-03.WP5

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